

Scrutiny comments on examination of Modifications in Approved Modified Mining Plan with PMCP in respect of Bondra Advona Iron Ore Mine (T.C.No.61 of 1953) of M/s. Sociedade Timblo Irmaos Ltda., Represented by M/s. Panduronga Timblo Industrias, over an area of 95.9543 Ha. situated in Codli & Dharbandora Villages, Dharbandora Taluka, South Goa District of Goa State submitted under Rule 17(3) of MCR'2016 for enhancement of production.

Cover page-The approval period of document should be February to March, 2017 as the DMG has issued letter for enhancement of production on 25.01.2017

Details of approved MP/SOM- (i) The review chapter should be discussed in brief till date or Feb., 17. (ii) The production & development quantity, sub-grade; mineral rejects & dumps recovery achieved up to date in financial year 2016-17 should be given separately based upon monthly return submitted to IBM only. (iii) It should also be discussed in brief regarding ROM production achieved till date & remaining cap quantity to be achieved in remaining period of 2016-17.

The present mine workings/excavation of ROM is being carried out & further location of proposal of ROM quantity should be in G1/G2 level of exploration only as per provision of MEMC rule 2015. It needs correction as advised during inspection.

The plan & section should be given in UTM co-ordinates instead of local grid. The colour code in plan & section is mismatching with different plan. The water logged pit benches should be shown effectively.

The common boundary working being carried out near BP no.4 to Gadia Sodo mining lease of Sesa Goa Ltd. but copy of common boundary working permission from DGMS is not submitted.

The copy of latest violation pointed out & their compliance should be discussed in review chapter for the change of place of working, exploration, dump recovery & insitu excavation etc. with valid justified reason. Appointment of mining engineer & geologist should be discussed under provision of MCDR, 1988.

The quality of mineral reject stacks below threshold value should be mentioned as waste only. It needs correction. The stack of mineral rejects, (unfinished ore) whose quality is above threshold value & below cut off, which were not taken in auction should be given separately & needs clarification. (Stack no. 2, 3, 4 in Northern pit). The analysis of these stacks should be given in further submission from NABL.

Mining- As discussed during inspection-(i) The targeted quantity of production for the year 2016-17 (insitu ROM +dump recovery) & remaining quantity to be achieved with in short span of time i.e. March'17 & requires optimization of man & machinery & proposed no of working faces ,shifts, advancement of faces & effective working hours/shift etc. should be discussed. The total tonnage quantity details of proposed ROM (insitu & dump) should be given section wise & level wise in tabular form.

(ii) Page-35, the total insitu & dump excavation proposed quantity should be given in production & development table. The quantity of dump recovery & insitu ROM production should not be more than annual capping limit given by state Govt. till further guidelines/clarification of dump policy by state Govt.

The proposed mine workings/ dumping/stacking should be 100m away from existing pit edge as per DGMS guideline. The UPL should be modified by leaving statutory barrier of nallah, road, HT power line etc.

All relevant table & text should be discussed & modified as above scrutiny. The remaining proposal will be same as earlier approved modification in mining plan approved by this office recently.

Plan & sections: *All relevant plan & sections, Surface plan, Production & development plan, Conceptual plan should be updated & modified. The features outside lease are not required & colour code of nallah should be highlighted. The relevant table & text should be updated & modified based upon the modified/enhancement of production & development proposals.*

1) Geology & Exploration :

i) In the approved modified mining plan there is a proposal to drill 12 boreholes in the year 2016-17 to a depth of 600mtrs and 12 boreholes to a depth of 600 mtrs in the year 2017-18. However during field visit it was observed that proposed exploration for the year 2016-17 is not started so far and in the draft copy only 12 core holes to a depth of 600mtr is proposed in the year 2017-18. The drilling proposals given in the approved modified mining plan should be achieved completely in the remaining plan period without reducing the number of boreholes and meterage.

ii) Under the geology of the lease area the ratio of Lumps and fines in the ROM for the different types of ore needs to be discussed based on the tests conducted.

2) Plates:-

Geological plan and cross sections: - i) Dip and strike is not shown on the geological plan. ii) All the proposed boreholes should be marked on the Geological plan. iii) Bench profiles needs to be rechecked and corrected. iv) Litho units marked on Geological plan and cross sections are mismatching for some sections.